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US ENVIRONMENTAL PROTECTION AGENCY OFFICE OF PESTICIDES PROGRAMS REGISTRATION DIVISION (75-767) WASHINGTON, DC 20460	EPA REGISTRATION NO.	DATE OF ISSUANCE
	11350-33	DEC 02 1997
<b>NOTICE OF PESTICIDE:</b> <input type="checkbox"/> REGISTRATION <input type="checkbox"/> REREGISTRATION (Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended)	NAME OF PESTICIDE PRODUCT	
	Sigmaplane Ecol HS Anti-fouling redbrown 5297HS-RD	
NAME AND ADDRESS OF REGISTRANT (Include ZIP code)		
Sigma Coatings USA B.V. P.O. Box 816 Harvey, LA. 70059		
<b>NOTE:</b> Changes in labeling formula differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above U.S. EPA registration number.		
On the basis of information furnished by the registrant, the above named pesticide is hereby Registered/Reregistered under the Federal Insecticide, Fungicide, and Rodenticide Act.		
A copy of the labeling accepted in connection with this Registration/Reregistration is returned herewith.		
Registration is in no way to be construed as an indorsement or approval of this product by this Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.		
This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:		
1. Submit/cite all data required for registration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.		
2. Make the labeling changes listed below before you release the product for shipment:		
a. Add the phrase "EPA Registration No.11350-33."		
b. Delete the phrase "BATCH 000-000."		
c. Place the misuse statement, "It is a violation of Federal law to use this product in a manner inconsistent with its labeling", directly below the subheading, "Directions For Use."		
d. On the right side panel, delete the term, "General Directions", from the labeling.		
<input type="checkbox"/> ATTACHMENT IS APPLICABLE		
SIGNATURE OF APPROVING OFFICIAL		DATE
		

d. On the right side panel, delete the term, "General Directions", from the labeling.

3. Submit five (5) copies of your final printed labeling before you release the product for shipment. Refer to the A-79 enclosure for a further description of final printed labeling.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely,

Marshall Swindell  
Product Manager 33  
Regulatory Management Branch I  
Antimicrobial Division(7510W)

Enclosures

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

DEC 02 1997

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No.

11350-33

PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS

**DANGER**

CORROSIVE. CAUSES IRREVERSIBLE EYE DAMAGE. HARMFUL IF ABSORBED THROUGH SKIN. DUE TO CORROSIVE NATURE, MAY BE HARMFUL OR FATAL IF SWALLOWED. AVOID CONTACT WITH SKIN, EYES AND CLOTHING. WEAR GOGGLES OR FACE SHIELD WHEN HANDLING. WASH THOROUGHLY WITH SOAP AND WATER AFTER HANDLING. REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE.

WHILE SPRAYING AND/OR SANDING BOAT SURFACE, WEAR A MASK OR A RESPIRATOR JOINTLY APPROVED BY THE MINING ENFORCEMENT AND SAFETY ADMINISTRATION AND THE NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH.

STATEMENT OF PRACTICAL TREATMENT

**IF IN EYES:** FLUSH WITH PLENTY OF WATER. CALL A PHYSICIAN.  
**IF SWALLOWED:** CALL A PHYSICIAN OR POISON CONTROL CENTER. DRINK PROMPTLY A LARGE QUANTITY OF WATER. DO NOT INDUCE VOMITING. AVOID ALCOHOL.

**NOTE TO PHYSICIAN:** PROBABLE MUCOSAL DAMAGE MAY CONTRAINDICATE THE USE OF GASTRIC LAVAGE. CONTAINS PETROLEUM DISTILLATES.

**IF ON SKIN:** WASH WITH PLENTY OF SOAP AND WATER. GET MEDICAL ATTENTION.

ENVIRONMENTAL HAZARDS

THIS MATERIAL IS TOXIC TO FISH. DO NOT APPLY DIRECTLY TO WATER BY CLEANING OF EQUIPMENT OR DISPOSAL OF WASTES. DO NOT ALLOW CHIPS AND DUST GENERATED DURING PAINT REMOVAL TO ENTER WATER. DISPOSE OF PAINT DEBRIS IN AN APPROVED LANDFILL.

PHYSICAL OR CHEMICAL HAZARDS

FLAMMABLE: KEEP AWAY FROM HEAT AND OPEN FLAME

EPA EST. NO. 11350-LA-1  
EPA REG NO. 11350-



# SIGMA COATINGS

SIGMAPLANE ECOL HS ANTIFOULING

REDBROWN

## 5297HS-RD

### BATCH 000-0000

ACTIVE INGREDIENTS, CUPROUS OXIDE ..... 41.7%  
INERT INGREDIENTS ..... 58.3%  
100.0%

KEEP OUT OF REACH OF CHILDREN

**DANGER**

SEE SIDE PANEL FOR ADDITIONAL  
PRECAUTIONARY  
STATEMENTS  
FOR COMMERCIAL USE ONLY

SIGMA COATINGS • 1401 Destrehan Ave. • Harvey, LA 70058

LD-039

## DIRECTIONS FOR USE

Refer to Sigma's Technical Data Sheet on Sigmaplane Ecol HS Antifouling 5297 HS for complete directions before using.

**GENERAL DIRECTIONS:** For use on metal and fiberglass boat hulls to control barnacle growth in fresh and salt water. Do not apply below 36 degrees F unless care is taken to insure absence of frost or ice. Surfaces to be painted shall be free of dirt, oil, grease and other surface contaminants. Apply in accordance with Sigma's directions or specifications given in the Technical Data Sheet for 5297 HS. For steel surfaces, apply only over recommended primers as recommended in the Technical Data Sheet. For fiberglass surfaces, use only the primer recommended in the Technical Data Sheet.

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING

FOR USE IN COMMERCIAL OR GOVERNMENT SHIPYARDS ONLY.

STORAGE AND DISPOSAL

**PROHIBITIONS:** Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

PESTICIDE DISPOSAL

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label

instructions, contact your State Pesticide or Environmental Control Agency, or Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL

**METAL CONTAINERS:** Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in sanitary landfill or by other Approved State and Local procedures.

NET CONTENT: 5 U.S. GALLONS

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# SIGMAPLANE ECOL HS ANTIFOULING

5297 HS

February 1997

## DESCRIPTION

Sigmaplane Ecol HS Antifouling is a high build, ablative antifouling with cuprous oxide as the active ingredient.

## PRINCIPAL CHARACTERISTICS

- Good polishing effect.
- Controls common types of fouling for a period up to 24- 36 months depending on sailing pattern, water temperature, and system applied.
- Controlled erosion rate to give effective protection in accordance with the specified film thickness and smoothing of surface.
- Compatible with a wide range of anticorrosive bottom systems.
- Can be used where the use of organotin compounds is restricted.
- EPA Registration #11350

## COLOR AND GLOSS

Red brown and Brown (black on request) - flat

## BASIC DATA AT 68°F (20°C)

Mass Density	Approx. 16.8 lbs/gal (2.01 kg/ltr)
Solids content by volume	Approx. 58%
VOC (before thinning)	3.16 lbs/gal
Theoretical spreading rate @ 1 MDFT	930 ft <sup>2</sup> /gal (22.8 m <sup>2</sup> /ltr)
Recommended dry film thickness	2.5 - 6.0 mils (65 - 150 microns) per coat depending on system. (See page 2)
Touch dry after	1 Hour
Min. interval before overcoating	6 hours
Max. interval before overcoating	6 Months
Min. interval before launching	8 Hours
Ordering information	Available in 1 gallon and 5 gallon containers.
Shelf life (cool and dry place)	Subject to reinspection after 6 months (Batch numbers are embossed on lids of 1 gal. cans and stamped on sides of 5 gal. pails)
Flashpoint (T.C.C.)	87°F (31°C)

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:  
DEC 02 1997

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No.  
11350-33

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# SIGMAPLANE ECOL HS ANTIFOULING

5297 HS

## DIRECTIONS FOR USE

### SURFACE PREPARATION

STEEL SURFACES: #5297HS Sigmaplane Ecol HS Antifouling may be applied over properly prepared and primed steel surfaces. Bare steel surfaces should be blasted to a Near White Metal Blast as defined by SSPC-SP10 before application of one of the recommended Sigma primers. The primers recommended for use over the blasted steel areas can be found in system sheet 3101 US.

FIBERGLASS SURFACES: #5297HS Sigmaplane Ecol HS Antifouling may be applied over properly prepared and primed fiberglass surfaces. Previously painted fiberglass surfaces should be sanded to remove the existing coating and primed with Sigma's 7417US Sigma EP Universal Primer followed by a coat of Sigma Epoxy Coating TCC (5480) before application of #5297HS Antifouling. New fiberglass surfaces present a special problem because of Gel Coats and Mold Release agents which are used in forming the fiberglass. A thorough washing and scrubbing of all new Fiberglass surfaces should be done using a solvent combination of xylene and methyl ethyl ketone before attempting to prime. After solvent washing, the new fiberglass surface should then be sanded to provide an anchor pattern before application of Sigma's #7417US Sigma EP Universal Primer.

### ANTIFOULING SYSTEM

Drydock Intervals	No. of Coats	DFT per Coat
Up to 12 Months	1	4.0 MILS (100 MICRONS)
Up to 18 Months	2	3.0 MILS (75 MICRONS)
Up to 24 Months	2	4.0 MILS (100 MICRONS)

SIGMA COATINGS MAY BE CONTACTED FOR ALTERNATE OR ADDITIONAL PRIMER RECOMMENDATIONS

### APPLICATION SPECIFICATIONS

Sigmaplane Ecol HS Antifouling may be applied by Airless or Conventional spray techniques. Before using power agitate to a uniform consistency using a "squirrel cage" type mixing blade. Equipment for spray application should be selected from the recommended list provided on the next page. Additional details may be obtained by contacting Sigma Coatings.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

(02/97)

(2/3)

DEC 02 1997  
Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.

11350-33

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# SIGMAPLANE ECOL HS ANTIFOULING

## 5297 HS

### Conventional Spray

Manufacturer:  
Gun Model:  
Tip - Aircap Combination:

<u>DeVilbiss</u>	<u>Binks</u>
MBC or JGA	#18 or #62
704E	66PE

Fluid hose should be 3/8" I.D. with a maximum length of 50 feet. Pot should always have dual regulation and be kept at same elevation as spray gun.

### Airless

Gun Model:  
Pump:

<u>Graco</u>	<u>Binks</u>	<u>DeVilbiss</u>
205-591	Model 500	JGN-501
Bulldog	Mercury 5C	QFA-519

Hose should be 3/8" I.D. minimum, but a 1/4" I.D. whip end section may be used for ease of application. A maximum length of 100 feet is suggested. Best results will be obtained using a .017" - .021" tip at 1700-2400 p.s.i.

NOTE: Nylon or Teflon type packings are available from pump manufacturer and are highly recommended. Reversible tips are suggested.

NOTE: Other equipment may be suitable. Contact the Sigma Technical Service Department for recommendations.

### THINNING REQUIREMENTS

Recommended Thinner	:	#21-06, Flashpoint 80°F (27°C)
Airless Spray	:	0-4%
Conventional Spray	:	0-4%
Roller and Brush	:	0-4%, (for touch-up only)
Clean-up thinner	:	#21-06

### SAFETY PRECAUTIONS

This product is offered for sale and use only to PROFESSIONALLY TRAINED INDUSTRIAL PERSONNEL. It is NOT FOR RESIDENTIAL USE. This product contains flammable solvents and/or other hazardous chemical ingredients and must be used with caution. Observe all health and safety precautions as listed on the Material Safety Data Sheet during storage, handling, application, drying and disposal. DO NOT ATTEMPT TO USE THIS PRODUCT WITHOUT CONSULTING THE CURRENT "MATERIAL SAFETY DATA SHEET". Material Safety Data Sheets are available from the Customer Service Department at Sigma coatings (504-347-4321).

(SIGMA COATINGS USA B.V.; 1401 DESTREHAN AVE.; P.O. BOX 816; HARVEY, LA. 70058)

RECEIVED  
 WITH COMMENTS  
 BY EPA Lead Tester  
 DEC 02 1997  
 Under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) of 1972, the sale and use of this pesticide is restricted to persons who are registered applicators under the Act. For more information, contact the EPA Office of Pesticide Programs, Washington, D.C. 20460.

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(02/97)

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